What is claimed is

1. Method for tracking control of a head unit with respect to data tracks on a data medium, which data tracks are arranged at least in sections essentially parallel to the relative movement direction between the data medium and the head unit, in which case the data tracks are split into successive data sections which, for their part, are each divided into an initial region and a useful region, characterized in that the method comprises the following steps:

a) while a data section is moving past the head unit, primary measured values are determined from at least one control track;

b) while the initial region of a data section is moving past the head unit, secondary measured values are determined from at least one additional control track;

c) a tracking signal is derived, based on the primary and secondary measured values, and

d) a tracking control signal is produced from the tracking signal.

2. Method according to Claim 1, characterized in that the tracking control signal is emitted to at least one actuator by means of which the position of the regions which can be addressed by the head unit on the data medium is varied.

3. Method according to Claim 1, characterized in that, while the initial region of a data section is moving passed the head unit,

a) a first tracking signal is first of all determined from the primary measured values;

b) a second tracking signal is then determined from both the primary measured values and the secondary measured values, after which

c) a difference value is formed from the first and the second tracking signal and is stored, and

d) during this time interval, the tracking control signal is produced solely from the second tracking signal.

4. Method according to Claim 3, characterized in that, while the useful region of a data section is moving past the head unit,

a) a first tracking signal is determined from the primary measured values, and

b) during this time interval, the tracking control signal is produced from the first tracking signal as well as the stored difference value.

5. Method for recording data on a data medium in the form of tape, in which case the method comprises the following steps:

a) a write head is used to record a plurality of data tracks on the data medium at the same time, in which case the data tracks are split into successive data sections which, for their part, are each divided into an initial region and a useful region, and at least one of the data tracks is used as a primary control track for tracking control of the write head or of a head unit,

b) furthermore, at least one secondary control track is recorded in the initial region of each data section, but does not extend over the entire useful region of the data section.

6. Method according to Claim 5, characterized in that the secondary control track or tracks is or are limited to the initial region.

7. Method according to Claim 5, characterized in that data which are used for synchronization of the read unit during replay are recorded in the initial region of each data section, while useful

data are recorded in the useful region of each data section.

8. Method according to Claim 5, characterized in that the primary control track is recorded essentially centrally on the data medium.

9. Method according to Claim 5, characterized in that two further control tracks are recorded essentially on the edges of the data medium in the initial region of each data section.

10. Magnetic tape having a plurality of data tracks which are arranged parallel to one another and are split into data sections which, for their part, are divided into an initial region and a useful region, in which case at least one control track extends over the entire length of the data section, characterized in that at least one additional control track is provided, which is limited to the respective initial region of each data section.